

Comparisons of Job Characteristics

Focus Occupation: [Bus and Truck Mechanics and Diesel Engine Specialists \(49-3031\)](#)

Associated Occupation: [Heavy and Tractor-Trailer Truck Drivers \(53-3032\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 47

Focus Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Transportation	4.6	16.1	9.6	<< Extensive education and/or training may be required
Public Safety and Security	6.9	10.4	9.0	< Expanded education and/or training may be required
Geography	3.9	6.9	3.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	13.1	9.7	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.9	10.0	0 Current skill level may be sufficient
Quality Control Analysis	5.9	8.3	9.4	> Skill level is likely sufficient
Equipment Maintenance	3.5	7.3	10.2	>> Skill level is likely more than sufficient
Troubleshooting	4.5	7.0	11.0	>> Skill level is likely more than sufficient
Repairing	3.4	6.9	11.2	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	13.1	12.3	0	Current ability level may be sufficient
Multilimb Coordination	6.0	12.7	11.9	0	Current ability level may be sufficient
Far Vision	7.8	12.3	7.5	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	12.3	8.8	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	12.1	8.4	<<	Extensive improvement in abilities may be required
Static Strength	5.0	11.6	9.4	<	Some improvement in abilities may be required
Depth Perception	5.3	11.4	9.1	<	Some improvement in abilities may be required
Rate Control	3.8	11.2	7.1	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	10.2	5.6	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	9.0	4.4	<<	Extensive improvement in abilities may be required
Night Vision	2.1	8.9	4.5	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	7.9	6.4	<	Some improvement in abilities may be required
Sound Localization	2.2	7.7	5.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Work Activities	Exclusivity of Activity
Examine vehicle to detect malfunctions, damage, or maintenance needed	75
Maintain or repair cargo or passenger vehicle	69
Move or fit heavy objects	8
Service vehicle with water, fuel, or oil	73
Use vehicle repair tools or safety equipment	80

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 30

Focus Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation: Heavy and Tractor-Trailer Truck Drivers (53-3032)

Tools and Technologies	Exclusivity
Computer data input devices	2
Computers	1
Data management and query software	1
Lifting equipment and accessories	3
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.